EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|---------|--|--------------------|---------------------|---------|---------------------|
| L3 | 385 | (warp\$3 or bilinear or bark) and "381"/\$.ccls. | US-PGPUB; USPAT | OR | OFF | 2008/06/25 15:35 |
| L4 | 1 | 3 and ("low order spectral") | US-PGPUB; USPAT | OR | OFF | 2008/06/25 16:27 |
| L5 | 21 | "5815580" | US-PGPUB; USPAT | OR | OFF | 2008/06/25 17:09 |
| S1 | 376 | 381/309 | US-PGPUB; USPAT | OR | OFF | 2007/06/06 14:07 |
| \$2 | 830 | 381/17 | US-PGPUB; USPAT | OR | OFF | 2007/01/18 15:31 |
| S3 | 8815 | impulse and acoustic | US-PGPUB; USPAT | OR | OFF | 2007/01/18 15:32 |
| S4 | 171 | S2 and S3 | US-PGPUB; USPAT | OR | OFF | 2007/01/18 15:32 |
| S5 | 2024357 | equal\$7 | US-PGPUB; USPAT | OR | OFF | 2007/01/18 15:33 |
| S6 | 129 | S4 and S5 | US-PGPUB; USPAT | OR | OFF | 2007/01/18 15:33 |
| S7 | 1770898 | produce\$4 and select\$4 | US-PGPUB; USPAT | OR | OFF | 2007/01/18 15:34 |
| S8 | 91 | S6 and S7 | US-PGPUB; USPAT | OR | OFF | 2007/01/18 15:34 |
| S9 | 70 | delay and add\$4 and S8 | US-PGPUB; USPAT | OR | OFF | 2007/01/18 17:00 |
| S10 | 102895 | "381" | US-PGPUB; USPAT | OR | OFF | 2007/01/18 17:00 |
| S11 | 15405 | "381"? | US-PGPUB; USPAT | OR | OFF | 2007/01/18 17:00 |
| S12 | 2608 | S3 and S5 and S7 and delay and add\$4 | US-PGPUB; USPAT | OR | OFF | 2007/01/18 17:02 |
| S13 | 456 | S12 and S10 | US-PGPUB; USPAT | OR | OFF | 2007/01/19 11:14 |
| S14 | 289 | 381/150 | US-PGPUB; USPAT | OR | OFF | 2007/01/18 17:02 |
| S15 | 4 | S12 and S14 | US-PGPUB; USPAT | OR | OFF | 2007/01/18 17:02 |
| S16 | 2608 | impulse and acoustic and equal\$7 and produce\$4 and select\$4 and delay and add\$4 | US-PGPUB; USPAT | OR | OFF | 2007/01/19 11:22 |
| S17 | 998 | 381/1 | US-PGPUB; USPAT | OR | OFF | 2007/01/19 11:15 |

| S18 | 63 | S16 and S17 | US-PGPUB; USPAT | OR | OFF | 2007/01/19 11:17 |
|-----|--------|--|-----------------------------|----|-----|---------------------|
| S19 | 413887 | reflected | US-PGPUB; USPAT | OR | OFF | 2007/01/19 11:17 |
| S20 | 415693 | 3and S19 | US-PGPUB; USPAT | OR | OFF | 2007/01/19 11:17 |
| S21 | 24 | S18 and S19 | US-PGPUB; USPAT | OR | OFF | 2007/01/19 11:17 |
| S22 | 149 | impulse and acoustic and equal\$7 and produce\$4 and select\$4 and (delay same add\$4 same reflect\$4) | US-PGPUB; USPAT | OR | OFF | 2007/01/19 14:08 |
| S23 | 998 | 381/1 | US-PGPUB; USPAT | OR | OFF | 2007/01/19 14:09 |
| S24 | 227 | 381/19 | US-PGPUB; USPAT | OR | OFF | 2007/01/19 14:13 |
| S25 | 3 | S22 and S24 | US-PGPUB; USPAT | OR | OFF | 2007/01/19 14:18 |
| S26 | 383 | 381/309 | US-PGPUB; USPAT | OR | OFF | 2007/01/19 14:18 |
| S27 | 6 | S22 and S26 | US-PGPUB; USPAT | OR | OFF | 2007/01/19 14:22 |
| S28 | 770 | 381/103 | US-PGPUB; USPAT | OR | OFF | 2007/01/19 14:22 |
| S29 | 2 | S22 and S28 | US-PGPUB; USPAT | OR | OFF | 2007/01/19 14:23 |
| S30 | 333 | 381/26 | US-PGPUB; USPAT | OR | OFF | 2007/01/19 14:24 |
| S31 | 0 | S22 and S30 | US-PGPUB; USPAT | OR | OFF | 2007/01/19 14:24 |
| S32 | 603 | 381/63 | US-PGPUB; USPAT | OR | OFF | 2007/01/19 14:24 |
| S33 | 13 | S22 and S32 | US-PGPUB; USPAT | OR | OFF | 2007/01/19 14:30 |
| S34 | 175 | 381/10 | US-PGPUB; USPAT | OR | OFF | 2007/01/19 14:31 |
| S35 | 1 | S22 and S34 | US-PGPUB; USPAT | OR | OFF | 2007/01/19 14:32 |
| S36 | 609 | 381/18 | US-PGPUB; USPAT | OR | OFF | 2007/01/19 14:32 |
| S37 | 12 | S22 and S36 | US-PGPUB; USPAT | OR | OFF | 2007/01/19 17:23 |
| S38 | 1 | murata-hisako\$.in. | US-PGPUB; USPAT | OR | OFF | 2007/01/23 10:42 |
| S39 | 2 | yurino-naoko\$.in. | US-PGPUB; USP A T | OR | OFF | 2007/01/23 10:38 |

| S40 | 1 | haneishi-miki\$.in. | US-PGPUB; USPAT | OR | OFF | 2007/01/23 10:42 |
|-----|-----|---|--|----|-----|---------------------|
| S41 | 107 | suzuki-takuma\$.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | OFF | 2007/01/23 10:40 |
| S42 | 13 | suzuki-takuma\$.in. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/01/23 10:40 |
| S43 | 1 | haneishi-miki\$.in. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/23 10:42 |
| S44 | 1 | murata-hisako\$.in. | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2007/01/23 10:42 |
| S45 | 8 | bharitkar-sunil\$.in. | US-PGPUB; USPAT | OR | OFF | 2007/02/08 11:41 |
| S46 | 15 | ("4308423" "4394536" "4569074" "4589128" "4792974" "4868878" "4873722" "5027403" "5105462" "5146507" "5285503" "5371799" "5386082" "5467401" "55555310").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/08 13:40 |
| S47 | 838 | 381/17 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/08 13:40 |
| S48 | 18 | ("20020006206" "4199658" "4569074" "4841573" "5068897" "5459790" "5661812" "5671287" "5742689" "5841879" "6009179" "6144747" "6307941" "6424719" "6434250" "6577736" "6766028" "6937737").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/08 15:12 |
| S49 | 2 | ("4866776" "4953219").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/08 15:18 |
| S50 | 8 | ("5467401" "5491644" "5574466" "5715412" "5784467" "5963459" "6343131" "6751322").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/08 15:21 |

| S51 | 9 | ("5809149" "5822438" "6026169" "6125115" "6154549" "6363155" "6507658" "6624873" "6694033").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/08 15:43 |
|-----|-----|---|---------------------------|----|-----|---------------------|
| S52 | 5 | ("4392019" "5199075" "5307415" "5757927" "6363155").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/08 15:45 |
| S53 | 5 | ("5325435" "5412732" "5524053" "5610986" "6584202").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/08 16:18 |
| S54 | 16 | ("4574306" "4905029" "5276472" "5521663" "5644557" "5729217" "5812736" "5862229" "5966122" "6026346" "6128037" "6199032" "6334025" "6418272" "6539168" "6606115").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/08 16:26 |
| S55 | 7 | ("4004095" "5596644" "5734724" "5841879" "5862227" "6125115" "6173061").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/08 17:05 |
| S56 | 204 | multiple near listener | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/08 17:05 |
| S57 | 19 | S47 and S56 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/08 17:27 |
| S58 | 777 | 381/103 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/09 11:13 |
| S59 | 228 | 381/19 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/09 11:13 |
| S60 | 18 | ("20020006206" "4199658" "4569074" "4841573" "5068897" "5459790" "5661812" "5671287" "5742689" "5841879" "6009179" "6144747" "6307941" "6424719" "6434250" "6577736" "6766028" "6937737").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/12 09:52 |

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|-------------|------|---|---------------------------|----|-----|---------------------|
| S61 | 2 | "low order spectral model" | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/12 13:41 |
| S62 | 0 | "infinite impule response filter" | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/12 10:07 |
| S63 | 1510 | "infinite impulse response filter" | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/12 10:07 |
| S64 | 837 | 381/17 | US-PGPUB; USPAT | OR | OFF | 2007/02/12 10:07 |
| S65 | 17 | S64 and S63 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/12 10:07 |
| S 66 | 29 | ("3236949" "3920904" "3962543" "4118599" "4119798" "4192969" "4219696" "4308423" "4309570" "4355203" "4731848" "4739513" "4748669" "4817149" "4910779" "4975954" "5023913" "5034983" "5046097" "5105462" "5136651" "5173944" "5208860" "5333200" "5337363" "5438623" "5452359" "5467401").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/12 |
| S67 | 2433 | "linear predictive coding" | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/12 10:33 |
| S68 | 3 | S64 and S67 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/12 10:33 |
| S69 | 14 | ("20010040968" "4817149" "5371799" "5438623" "5440639" "5521981" "5647016" "5742689" "5809149" "5822438" "5987142" "6072877" "6078669" "6118875").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/12 10:37 |
| S70 | 1 | "20050094821" | US-PGPUB; USPAT | OR | OFF | 2007/02/12 13:26 |
| S71 | 2 | "low order spectral model" | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/12 13:46 |
| S72 | 13 | "low order IIR filter" | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/12 15:36 |

| S73 | 5 | ("4941178" "5404406" "5438623" "5440639" "5659619").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/12 13:53 |
|-----|------|---|---------------------------|----|-----|---------------------|
| S74 | 1788 | "stimulus signal" | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/12 15:37 |
| S75 | 837 | 381/17 | US-PGPUB; USPAT | OR | OFF | 2007/02/12 15:37 |
| S76 | 4 | S74 and S75 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/12 15:37 |
| S77 | 13 | ("4199658" "4741035" "4910779" "4975954" "5208860" "5371799" "5386082" "5440639" "5452359" "5495534" "5511129" "5521981" "5659619").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/12 17:05 |
| S78 | 109 | "fuzzy C-means" | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/12 17:07 |
| S79 | 0 | S75 and S78 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/12 17:05 |
| S80 | 5 | "hard C-means" | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/12 17:07 |
| S81 | 8 | "bilinear conformal mapping" | US-PGPUB; USPAT | OR | OFF | 2007/02/13 10:00 |
| S82 | 39 | "pole zero model" | US-PGPUB; USPAT | OR | OFF | 2007/02/13 14:53 |
| S83 | 8 | bharitkar-sunil | US-PGPUB; USPAT | OR | ON | 2007/02/13 15:02 |
| S84 | 6 | kyriakakis-chris\$.in. | US-PGPUB; USPAT | OR | ON | 2007/02/13 15:02 |
| S85 | 8 | bharitkar-sunil\$.in. | US-PGPUB; USPAT | OR | ON | 2007/02/15 16:41 |
| S86 | 1 | murata-hisako\$.in. | US-PGPUB; USPAT | OR | OFF | 2007/06/06 14:00 |
| S87 | 1 | murata-hisako\$.in. | US-PGPUB; USPAT | OR | OFF | 2007/06/06 14:20 |
| S88 | 11 | "5995631" | US-PGPUB; USPAT | OR | OFF | 2007/06/06 14:20 |
| S89 | 3 | "6072877" | US-PGPUB; USPAT | OR | OFF | 2007/09/10 12:28 |
| S90 | 5 | "5771294" | US-PGPUB; USPAT | OR | OFF | 2007/09/10 12:28 |
| S91 | 3 | "6072877" | US-PGPUB; USPAT | OR | OFF | 2007/09/10 12:28 |

| 600 | 60 | (I IS 200E0047640 # a | LIC DODLID: | OD | OFF | 2007/10/00 |
|-----|---|--------------------------|-------------|----|-----|------------|
| S92 | 69 | , . | | OR | OFF | 2007/10/09 |
| | | | USPAT | | | 17:06 |
| | | US-20010040969-\$ or | | | | |
| | | US-20020150257-\$ or | | | | |
| | | US-20020150256-\$ or | | | | |
| | | US-20020067836-\$ or | | | | |
| | | US-20030169887-\$ or | | | | |
| | | US-20060098827-\$ or | | | | |
| | | US-20050216211-\$ or | | | | |
| | | US-20020150254-\$ or | | | | |
| | | US-20040032955-\$ or | | | | |
| | | US-20040013271-\$ or | | | | |
| | | US-20030219130-\$ or | | | | |
| | | US-20030161478-\$ or | | | | |
| | | US-20040005066-\$ or | | | | |
| | | US-20030235318-\$ or | | | | |
| | | US-20060126822-\$ or | | | | |
| | | US-20050094821-\$ or | | | | |
| | | US-20030200236-\$). | | | | |
| | | did. or (US-6956954-\$ | | | | |
| | | or US-6553121-\$ or US- | | | | |
| | | 6246772-\$ or US- | | | | |
| | | 5467401-\$ or US- | | | | |
| | | 6738479-\$ or US- | | | | |
| | | 6501843-\$ or US- | | | | |
| | | 6483922-\$ or US- | | | | |
| | | 6956955-\$ or US- | | | | |
| | | 6904152-\$ or US- | | | | |
| | | 6091894-\$ or US- | | | | |
| | | 5742690-\$ or US- | | | | |
| | | 5742688-\$ or US- | | | | |
| | | 5999630-\$ or US- | | | | |
| | | 6990205-\$ or US- | | | | |
| | | 6574339-\$ or US- | | | | |
| | *************************************** | 7065222-\$ or US- | | | | |
| | | 6118875-\$ or US- | | | | |
| | | 6091824-\$ or US- | | | | |
| | *************************************** | 7092542-\$ or US- | | | | |
| | | 6343131-\$ or US- | | | | |
| | | 6813360-\$ or US- | | | | |
| | *************************************** | 5784467-\$ or US- | | | | |
| | | 6269166-\$ or US- | | | | |
| | | 5995631-\$ or US- | | | | |
| | | 5068897-\$ or US- | | | | |
| | | 6144747-\$).did. or (US- | | | | |
| | | 6665409-\$ or US- | | | | |
| | | 6694033-\$ or US- | | | | |
| | | 6658117-\$ or US- | | | | |
| | | 6169806-\$ or US- | | | | |
| | | 6005947-\$ or US- | | | | |
| | | 7024002-\$ or US- | | | | |
| | | 7167566-\$ or US- | | | | |
| | | 6934395-\$ or US- | | | | |
| | | 7130428-\$ or US- | | | | |
| | - | 6850621-\$ or US- | | | | |
| | | 6829359-\$ or US- | | | | |
| | | 6544122-\$ or US- | | | | |

| | | 6154553-\$ or US-6072877-\$ or US-5923764-\$ or US-5736982-\$ or US-5809150-\$ or US-5771294-\$ or US-5979586-\$ or US-5714997-\$ or US-4868878-\$ or US-5963459-\$ or US-5491644-\$ or US-6980665-\$).did. | | | *************************************** | |
|-----|---------|---|---------------------------|----|---|---------------------|
| S93 | 1454149 | "1" and degree | US-PGPUB; USPAT | OR | OFF | 2007/10/09 17:06 |
| S94 | 32 | S92 and degree | US-PGPUB; USPAT | OR | OFF | 2007/10/10 11:55 |
| S95 | 0 | "head relateed transfer function" same degree | US-PGPUB; USPAT | OR | OFF | 2007/10/10 11:55 |
| S96 | 22 | "head related transfer function" same degree | US-PGPUB; USPAT | OR | OFF | 2007/10/10 14:51 |
| S97 | 2 | ("4980914" "5684881").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/10 12:15 |
| S98 | 87 | "head related transfer function" same speaker | US-PGPUB; USPAT | OR | OFF | 2007/10/10 14:51 |
| S99 | 79 | (US-20040136538-\$ or US-20040091119-\$ or US-20030123676-\$ or US-20030007648-\$ or US-20030002693-\$ or US-20020051548-\$ or US-20050047619-\$ or US-20050047619-\$ or US-20050047619-\$ or US-20020150254-\$ or US-20020150254-\$ or US-20020150257-\$ or US-20020150257-\$ or US-20020067836-\$ or US-20020067836-\$ or US-20040013271-\$ or US-20040032955-\$ or US-20030219130-\$ or US-20030235318-\$ or US-20030235318-\$ or US-2003020236-\$ or US-20050094821-\$). did. or (US-6430294-\$ or US-5995631-\$ or US-6766028-\$ or US-6501843-\$ or US-6507658-\$ or US- | US-PGPUB; USPAT | OR | OFF | 2008/06/25 |

| | | 6259795-\$ or US- 5979586-\$ or US- 6956955-\$ or US- 6956954-\$ or US- 6904152-\$ or US- 6574339-\$ or US- 6553121-\$ or US- 6269166-\$ or US- 6246772-\$ or US- 6144747-\$ or US- 6118875-\$ or US- 618875-\$ or US- 6990205-\$ or US- 6343131-\$ or US- 6343131-\$ or US- 6091894-\$ or US- 5742690-\$).did. or (US- 5742688-\$ or US- 5742690-\$).did. or (US- 5742688-\$ or US- 665409-\$ or US- 665409-\$ or US- 6658117-\$ or US- 6658117-\$ or US- 6694033-\$ or US- 6169806-\$ or US- 6934395-\$ or US- 6934395-\$ or US- 6934395-\$ or US- 5771294-\$ or US- 5736982-\$ or US- 5736982-\$ or US- 5736982-\$ or US- 5963459-\$).did. or (US- 5963459-\$).did. or (US- 5963459-\$).did. or (US- 6980665-\$).did. | | | | |
|--------|---|--|-----------|----|-----|------------|
| S100 2 | 4 | S99 and average | US-PGPUB; | OR | OFF | 2008/06/25 |

6/25/2008 5:27:33 PM

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